SEQUENCE LISTING

<110> Xu, Jiangchun

<120> COMPOUNDS FOR IMMUNOTHERAPY AND
DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE

<130> 210121.471C1

<140> US
<141> 1999-07-02

<160> 120

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 458
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

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gcaacctgga acaaaagtcc tgatccagta gtcacacttc tttttcctaa acaggacgga 360
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gtctttgtct tctctgagaa ttgcattccc tgccagga 458

<210> 2
<211> 423
<212> DNA
<213> Homo sapien

<400> 2
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gcttcacact ctttcagctt ggtcttcaga gccacgattt ctcggcgaat ggcaaggaca 360
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tcc 423

<210> 3
<211> 538

<212> DNA
<213> Homo sapien

<400> 3
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aatgtcctct atggcccrga tgmccccacc atttcccctc taaacacatm ttaccgwyca 180
ggggaaaatc tgaacctctc ctgccacgca gcctctaacc cacctgcaca gtactcttgg 240
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ctccaacccc gtggaggatg aggatgctgt agccttaacc tgtgaacctg agattcagaa 480
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<210> 4
<211> 309
<212> DNA
<213> Homo sapien

<400> 4
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aggttagaag tgaggctgtg agcaggagcc cctgccaggg gatvcacgca mtctgtgggg 180
aggggctgag rggdgwcycc atggtctctg ctgtctgctc tgtcctcctc tgtggagaag 240
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gcccgggcg 309

<210> 5
<211> 412
<212> DNA
<213> Homo sapien

<400> 5
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tgtcctctat gggccagaca sccccccatca tttccccccc agactcgtct tacctttcgg 180
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kgtatcaatg ggataccgca gcaacacaca caagttctct ttatcgccaa aatcacgcca 300
aataataacg ggacctatgc ctgttttgtc tctaacttgg ctactggccc gcaataattc 360
catagtcaag agcatcacag tcttctgcat ctggaacttc tcctggtctt ct 412

<210> 6
<211> 332
<212> DNA
<213> Homo sapien

<400> 6
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ttsaygttkt atgagsysya saatmctgaw gctcmttyts sakgrwsttc kgsatmrgca 120
gtsrattcsa catttgggrt akrtymtctc tsgaagysam tgtcakgcag tgrcayccwr 180
gkktcwgcwt gcwgtgrgtt amcakcmwtr ywtagkgsgm ayatrattta ramrgtayak 240
cymtctcmct cytycmccay wtgcwcaass mkcacacctc ggccgcgacc acgctaagcc 300
cgaattccag cacactggcg gccgttacta gt 332

<210> 7

<211> 401
<212> DNA
<213> Homo sapien

<400> 7
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taagatgagg tggctccttg cccattggga cccggatctg gactggttca ccattgtact 180
tctggtccag gatgacggct tgataagctg atgctgtaat ttcatcttgg ctggcctggc 240
tgccctgcca aacgtagagc aggtaatgct gcttctcgcc gatgaaggta ggtgtaagag 300
cagcaggtaa gcaagttcgc ccccatagaa gtgggcctag ccacttggaa ttccagcaca 360
ctggcggccc gttactagtg ggatcccgag ctcggtacca a 401

<210> 8
<211> 1151
<212> DNA
<213> Homo sapien

<400> 8
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tatctgccac atacaaagca tcattccagg tgctagtgag gggaaaaaaa agttggagat 120
ttggtccctc gaggagctcc agatattaat ctacctaact aagtccccag gtttcttcca 180
ggcatggaag aattagtggt gctacatgga tgaggactag tcattgggca atatttcctg 240
tacaaagaat ccctagacgc catactgagt tttaagttcc ttaattccta atttaaggct 300
tctagtgaag cctcctcaca gtaggcttca ctaggcccac agtgccccta gacctctgac 360
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agaactcacc aaatcaagac aaatgtccta gatctctagt gtggtagaac tatgcaccta 480
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aagactattt tttcaacaaa cattttctct ttcaccctaa ctcctaaaca gcttactggg 600
gcttctgcaa gacagaaaga tcataattca gaaggtaacc atcgttatag acataaagtt 660
tctggtcaaa agggttatag ttaatgctct gcacttttc ctgcatctta tgcattacaa 720
tgtctagttt gccctctttc cctgtgtttg tgtcataata gtaaaaaatc tcttctgttc 780
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<210> 9
<211> 604
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(604)
<223> n = A,T,C or G

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aattccacat ttgggatagg tcctctctgg aagtgaatgt caggcagtga catccaagtt 180
tctgcatgca gtgggttaac agccatgttt agggggaaca tgatttaaaa agtacatctc 240

tctccctcct cccccacatg cacaaggctc acatctcatt atggtgkcgg cccatgtcac 300
attaaagtgt gatacttkgg ttttgaaaac attcaaacag tctctgtgga aatctggaga 360
gaaattggcg gagagctgcc gtggtgcatt cctcctgtag tgcttcaagn taatgcttca 420
tcctttntta ataacttttg atagacaggg gctagtcgca cagacctctg ggaagccctg 480
gaaaacgctg atgcttgttt gaagatctca agcgcagagt ctgcaagttc atcccctctt 540
tcctgaggtc tgttggctgg aggctgcaga acattggtga tgacatggac cacgccattt 600
gtgg 604

<210> 10
<211> 473
<212> DNA
<213> Homo sapien

<400> 10
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acctgctgaa caaccacatc ttgaagtcag ctatgtgtgc tgaagccatc gttgcggggc 120
tgtctgtgga gaccctggag ggcacgacac tggaggtggg ctgcagcggg gacatgctca 180
ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc 240
actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag 300
agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct 360
ctggaagtga gcggttgacc ctcctgggct cccctgaatt ctgtattcaa agatggaacc 420
cctccaattg atgcccatac aaggaatttg cttcggaacc acataattaa aga 473

<210> 11
<211> 411
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 11
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cctgatgcag ccacagcagc ccgaagggtc tcaaaggtgt cctcgatctc aatgatctgc 120
tggatgttgt tggtgatggt ggagatgacc ttatcgatga ggtgcaccac cccgttggtt 180
gcatggtggt cggctttyar carccgggca cagttcacag ttacaatccc attaggatag 240
tggtggatct nggatgttgg aattctggta catagnaggt gaggggtcat gcccgtgttt 300
cagctcatca gtcaggactc gcctgcccac catatggtaa gcsgragggc atttgagcag 360
ctcaatgttt gacattgctg gaccagggga gttccagcac ttctangang a 411

<210> 12
<211> 560
<212> DNA
<213> Homo sapien

<400> 12
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caggcaagtt gctccagagc atattgcagg acaagcctgt aacgaatagt taaattcacg 120
gcatctggat tcctaatcct tttccgaaat ggcaggtgtg agtgcctgta taaaatattc 180
tatgtttacc ttcaacttct tgttctggct atgtggtatc ttgatcctag cattagcaat 240
atgggtacga gtaagcaatg actctcaagc aatttttggt tctgaagatg taggctctag 300
ctcctacgtt gctgtggaca tattgattgc tgtaggtgcc atcatcatga ttctgggctt 360
cctgggatgc tgcggtgcta taaaagaaag tcgctgcatg cttctgttgt ttttcatagg 420

cttgcttctg atcctgctcc tgcaggtggg cgacaggtat cctaggagct gttttcaaat 480
ctaagtctga tcgcattgtg aatgaaactc tctatgaaaa cacaaagctt ttgagcgcca 540
caggggaaag tgaaaaacaa 560

<210> 13
<211> 150
<212> DNA
<213> Homo sapien

<400> 13
gggcaggctg tctttttaaa atgtctcggc tagctagacc acagatatct tctagacata 60
ttgaacacat ttaagatttg agggatataa gggaaaatga tatgaatgtg tatttttact 120
caaaataaaa gtaactgttt acgttggtga 150

<210> 14
<211> 403
<212> DNA
<213> Homo sapien

<400> 14
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gctagctatg ggtagccagg tgttacaaag gtgctgctcc ttctccaacc cctacttggt 120
ttccctcacc ccaagcctca tgttcatacc agccagtggg ttcagcagaa cgcatgacac 180
cttatcacct ccctccttgg gtgagctctg aacaccagct ttggcccctc cacagtaagg 240
ctgctacatc aggggcaacc ctggctctat cattttcctt ttttgccaaa aggaccagta 300
gcataggtga gccctgagca ctaaaaggag gggtccctga agctttccca ctatagtgtg 360
gagttctgtc cctgaggtgg gtacagcagc cttggttcct ctg 403

<210> 15
<211> 688
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(688)
<223> n = A,T,C or G

<400> 15
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tatagactag gacttgaaca tcaaaggaaa aatagacaaa gactagatga taaagtcatt 120
caaaagcaca gaagcacatc acatacacca gcaaggtttc caactactgc actgattaac 180
tagatactct caatagcttt tctatagctc gtcctagaaa aaaaaattaa attttcattt 240
tcttacaagt tccaggctta aacaaaggca aaaattacat gcaacaactg atacactcat 300
aagttgcaca tatgctccaa ggtctttatt agataacaat aaatgctagc actttgtcac 360
tgccatcaga ttttccttat agtcttagag tcatgtaaat aaaagttcca taatgaaatt 420
aaagaaaatt aatttttcta atcttagatc agttccatag aaaactatta atttttttaa 480
agtaggcagt agaagggggt tggtgggggg tggaattggt tagtaagtct ggttctaatc 540
ttctgagctg cctttggaag gaagttatga ggtagaagat tctactgact tttagtaagg 600
tggacaatga gagaaaagaa aaagcaggtg cctcatcnnc agatccttnt ggtatttatn 660
tgccangtnc nanntaatnc atanaaag 688

<210> 16
<211> 408
<212> DNA

<213> Homo sapien

<400> 16
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caaatggtat gtttttcagt acagttggat gtcgtcctac aagatgtggt gaatttgaaa 180
agaataaccc tgatctttac ttaaaggagt tgctaaatct tgctgaaaac aataaaggga 240
aagttgtggc aataggagaa tgcggacttg attttgaccc gactgcagtt ttgtcccaaa 300
gatactcaac tcaaatattt tgaaaaacag tttgaactgt cagaacaaac aaaattacca 360
atgtttcttc attgtccgaa actcacatgc tgaatttttg gacataat 408

<210> 17
<211> 407
<212> DNA
<213> Homo sapien

<400> 17
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ccttctttct ggactggcgt tcacctccct gctcagtgct tgggctccac gggcaggggt 120
cagagcactc cctaatttat gtgctatata aatatgtcag atgtacatag agatctattt 180
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gaggcagaag acctccaata aagtgccttc tgggcttttt ctaacctttg tcttagctac 360
ctgtgtactg aaatttgggc ctttggatcg aatatggtca agaggtt 407

<210> 18
<211> 405
<212> DNA
<213> Homo sapien

<400> 18
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gtattaaagc agcggcagcc gctgcacgca gacatgaggg ctaggttaaa acagtaagat 120
caagttgttt ggacagaaag gctacagagt gtggtcctgg ctcttgtgta agaattacga 180
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ccgagatagg taacagatga ggaagaaatt tgggcttgat tgaagtaatg ggggctgtct 360
gtgaagcttt gcagcagtac agcctaggta atttgctgag cctaa 405

<210> 19
<211> 401
<212> DNA
<213> Homo sapien

<400> 19
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gctgcttcaa gcgggattag gggcggcgtg ggagcctaga gtgggagaga ttaagctgaa 180
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gaatgattgg tgatggcctg gatacggttt tggatgattt gagaagctaa atggaagata 300
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taggacatct gattagagag tgcctaagga gattcagcat a 401

<210> 20
<211> 331

<212> DNA
<213> Homo sapien

<400> 20
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tcgatgatct tgaagtaatg gctccagtct ctgacctggg gtcccttctt ctccaagtgc 180
tcccggattt tgctctccag cctccggttc tcggtctcca ggctcctcac tctgtccagg 240
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attcctgcca gacccccggc tatcccggtg g 331

<210> 21
<211> 346
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G

<400> 21
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agatctcacc agtcacgtgg tcaatttaa gccaacctct tgtgtctccc ctcagtgaat 120
agcttatgtc cagaccttct ggatccttgg cagtcacatt gcccacttta gtgcctatag 180
ctacatcctc actgactttc gcttggaata cgtgttggga aaattgaggt gcttcattca 240
catctgtcac aataagncgt gaacttggca aaagaacttg cattgtactt cacaccaaac 300
actagaggct caggattttc tgctttgaac acaatgttgg aaacag 346

<210> 22
<211> 360
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 22
gaagactccc tctctcggaa gccggatccc gagccgggca ggatggatca ccaccagccg 60
gggactgggc gctaccaggt gcttcttaat gaagaggata actcagaatc atcggctata 120
gagcagccac ctacttcaaa cccagcaccc gcagattgtg caggctgcgt cttcagcacc 180
agcacttgaa actgactctt cccctccacc atatagtagt attactggtg gaagtaccta 240
caacttcaga tacagaagtt tacggtgagt tttatcccgt gccacctccc tatagcgttg 300
ctacctctct tcctacnwta cgatgaaagc tgagaaggct aaagctgctg caatggcatg 360

<210> 23
<211> 251
<212> DNA
<213> Homo sapien

<400> 23
ggcggagctc cacgacgagc tggaaaagga acctttgag gatggctttg caaatgggga 60
agaaagtact ccaaccagag atgctgtggt cacgtatact gcagaaagta aaggagtcgt 120

gaagtttggc tggatcaagg gtgtattagt acgttgtatg ttaaacattt ggggtgtgat 180
gcttttcatt agattgtcat ggattgtggg tcaagctgga ataggtctat cagtccttgt 240
aataatgatg g 251

<210> 24
<211> 421
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 24
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cagctccagc cgcagcttar gcagcgggag gttctgtgtc ccagttgttt tccaatttca 120
ccggctcccg tggatgamcg ygggacctgy caswgctcct gtktycctgc yagsacacca 180
cnytttyccg tggacacrar kggaacckct tggaattcac agctyatgtt ctttctcara 240
agtttgagaa agaactttct aaagtgaggg aatatgtcca attaattagt gtgtatgaaa 300
agaaactgtt aaacctaact gtccgaattg acatcatgga raaaggatac catttcttac 360
actgaactgg acttcgagct gatcaaggta gaagtgaagg agatggaaaa actggtcata 420
c 421

<210> 25
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 25
gaacttttg tttctttatt ttcaatattt gtcttattaa tatttttctt attttataat 60
gcaattacaa caatttagga nacaaaacaa tataaacaaa agaatgttaa atagtttttt 120
ttaaaaaata gcttgttgct tgcaanaaag tccatataat cttattcccc cccaaatata 180
attttatact ttgcactaaa ccaaaatagc ttatggaaaa ttagtattaa atagctaaac 240
acagaaaacc tacagctata aataacataa aatacagttt aactttaatg ngatgcttaa 300
acaaagcaaa ctatgatgca atatgaatca acttcattaa ttggacaagt ccagnggagg 360
cacaaattag ataagcacta a 381

<210> 26
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 26
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gaaggagctg gagtttgaca cgaatatgga tgcagtacag atggtgatta cagaagccca 120
gaaggttgat accagaagcc aagaacgctg gggttacaat ccaagacaca ctcaacacat 180
tagacgggct cctgcattct gatggaccaa ccttttcang tggtaagatt gaaganggag 240
cctgggctta cctgggaagc aaaaactttt cccganccaa ggaacccagg attcaaccan 300
gcnacttgcn ggccaaggaa ggcanaactn ggaanaaaag gccccttaag caaaagggnc 360
accttcattt gctnggaaan cagcctttan ttggaatctt g 401

<210> 27
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 27
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gaaaaaatat accacttcat agctaagtct tacagagaan aggatttgct aataaaactt 120
aagttttgaa aattaagatg cnggtanagc ttctgaacta atgcccacag ctccaaggaa 180
nacatgtcct atttagttat tcaaatacca gttgagggca ttgtgattaa gcaaacaata 240
tatttgttan aactttgntt ttaaattact gntncttgac attacttata aaggagnctc 300
taactttcga tttctaaaac tatgtaatac aaaagtatan ntttccccat tttgataaaa 360
gggccnanga tactgantag gaa 383

<210> 28
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 28
ggtcgcgttt cccctggctc acagtctgcc attatttgca tttttaaatg aagaaaagtt 60
taacgtggat ggatggacag tttacaatcc agtggaagaa tacaggaggc agggcttgcc 120
caatcaccat tggagaataa cttttattaa taagtgctat gagctctgcg acacttaccc 180
tgctcttttg gtggttccgt atcgtgcctc anatgatgac ctccggagag ttgcaacttt 240
taggtcccga aatcgaattc cagtgctgtc atggattcat ccagaaaata agacggtcat 300
tgtgcgttgc agtcagcctc ttgtcggtat gagtgggaaa cgaaataaag atgatgagaa 360
atatctcgat gttatcaggg agactaataa acaaatttct a 401

<210> 29
<211> 401
<212> DNA
<213> Homo sapien

<400> 29
atatgagttt gccatctcca tggatgccat ttcaatgcct tcagggtaat cattctctcc 60
ccaaagactg cccacggggt catcactcct gtgacgaaat gagggctgga ttgaagatgt 120
tctgctgagc acccccctgg tcatctttgg ggtctcagaa gagccataat catgaccatt 180
ctcagcatct gaataatcag gttctctcca agtgcttggc aagttctgat tgtcctcagc 240

actgggatag tctggctccc caaaaaaggg tggagagtta ggttgaatgt cagcgcctgg 300
ataatcaggc tttcccagag agtctgcgta tggattgatt ctaaaacttg tatgttccag 360
attctttctg gatcctggat ggttcaaatt ggctctgggt c 401

<210> 30
<211> 401
<212> DNA
<213> Homo sapien

<400> 30
cctgaactat ttattaaaaa catgaccact cttggctatt gaagatgctg cctgtatttg 60
agagactgcc atacataata tatgacttcc tagggatctg aaatccataa actaagagaa 120
actgtgtata gcttacctga acaggaatcc ttactgatat ttatagaaca gttgatttcc 180
cccatcccca gtttatggat atgctgcttt aaacttggaa gggggagaca ggaagtttta 240
attgttctga ctaaacttag gagttgagct aggagtgcgt tcatggtttc ttcactaaca 300
gaggaattat gctttgcact acgtccctcc aagtgaagac agactgtttt agacagactt 360
tttaaaatgg tgccctacca ttgacacatg cagaaattgg t 401

<210> 31
<211> 297
<212> DNA
<213> Homo sapien

<400> 31
acctccatta atgccaggtg ttcctcctct gatgccagga atgccaccag ttatgccagg 60
catgccacct ggattgcatc atcagagaaa atacacccag tcattttgcg gtgaaaacat 120
aatgatgcca atgggtggaa tgatgccacc tggaccagga ataccacctc tgatgcctgg 180
aatgccacca ggtatgcccc cacctgttcc acgtcctgga attcctccaa tgactcaagc 240
acaggctgtt tcagcgccag gtattcttaa tagaccacct gcaccaacag caactgt 297

<210> 32
<211> 401
<212> DNA
<213> Homo sapien

<400> 32
caaacctgga gccaaaaagg acacaaagga ctctcgaccc aaactgcccc agaccctctc 60
cagaggttgg ggtgaccaac tcatctggac tcagacatat gaagaagctc tatataaatc 120
caagacaagc aacaaaccct tgatgattat tcatcacttg ggtgagtgcc cacacagtca 180
agctttaaag aaagtgtttg ctgaaaataa agaaatccag aaattggcag agcagtttgt 240
cctcctcaat ctggtttatg aaacaactga caaacacctt tctcctgatg gccagtatgt 300
ccccaggatt atgtttgttg acccatctct gacagttaga gcccgatatc actggaagat 360
attcaaaccg tctctatgct tacgaacctg cagatacagc t 401

<210> 33
<211> 401
<212> DNA
<213> Homo sapien

<400> 33
agcagaggga caggaatcat tcggccactg ttcagacggg agccacaccc ttctccaatc 60
caagcctggc cccagaagat cacaaagagc caaagaaact ggcaggtgtc cacgcgctcc 120
aggccagtga gttggttgtc acttactttt tctgtgggga agaaattcca taccggagga 180
tgctgaaggc tcagagcttg accctgggcc actttaaaga gcagctcagc aaaaagggaa 240
attataggta ttacttcaaa aaagcaagcg atgagtttgc ctgtggagcg gtgtttgagg 300

agatctggga ggatgagacg gtgctcccga tgtatgaagg ccggattctg ggcaaagtgg 360
agcggatcga ttgagccctg gggtctggct ttggtgaact g 401

<210> 34
<211> 401
<212> DNA
<213> Homo sapien

<400> 34
aacaatggct atgaaggcat tgtcgttgca atcgacccca atgtgccaga agatgaaaca 60
ctcattcaac aaataaagga catggtgacc caggcatctc tgtatctgtt tgaagctaca 120
ggaaagcgat tttatttcaa aaatgttgcc attttgattc ctgaaacatg gaagacaaag 180
gctgactatg tgagaccaaa acttgagacc tacaaaaatg ctgatgttct ggttgcttga 240
gtctactcct ccaggtaatg atgaacccta cactgagcag atggggcaac tgtggagaga 300
aggggtgaaa ggatcccacc tcactcctga tttcattgca ggaaaaaagt tagcttgaat 360
atggaccaca aggtaagggc atttgtccat gaatggggct c 401

<210> 35
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 35
catttcttcc tactagactg ccccttgat ccactggcag aaatgatggc accaccttgt 60
cttcaggtgg tgctccttca ttattccaag gatgcagcat ctctatggtg ccaggtatgg 120
gggtaaagcc tttggcgccc tttccgcaat ggcacatcag cagtaaaagt ggtaccaata 180
gcangaacag aaagggcaaa atcatgancg caattgctgc gggtcccaag cccacatagg 240
aatcatgctg ngcttccctg canccgctgc catgcaagac actnacaaac tgngantgta 300
aggacctgct tttcaggaca actaaaaccc tgattgnctg aaatcaggaa ctgaatttca 360
cttctcccaa gctttttctc actttggtgc aacancacac t 401

<210> 36
<211> 401
<212> DNA
<213> Homo sapien

<400> 36
cctgctagaa tcactgccgc tgtgctttcg tggaaatgac agttccttgt ttttttgtt 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt 180
ttgaagttcg ggtttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt 240
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
actttaaatc agtacagtac ctgtacctgc acggtcaccc gctccgtgtg tcgccctata 360
ttgagggctc aagctttccc ttgttttttg aaaggggttt a 401

<210> 37
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 37
cnnctntgna atggantnnt tgnctaaaan ganttgatga tgatgaanat ccctangang 60
antaagcatg gancntgatc ntttnctnng cactccttta cgacacggaa acangnatca 120
ncatgatggt accaganacc ttatcaccna cgcgcacnga nctgactnat tccaaagagt 180
tgnggttacg gncatccggt cattgctcgt gcccattgct gcagggctga tnctactggt 240
gcttattatg ntggccctga ggatgctcca caatgaatat aagcatgctg catgatcagc 300
ggcaacanat gctctgccgt ttgcactaca tctttcacgg acacnatntc gaanacgggc 360
acnttgcana gttagacttg gaatgcatgg ngccggncan n 401

<210> 38
<211> 401
<212> DNA
<213> Homo sapien

<400> 38
aattggctca ctctctcaag gcaagcactg tctcaaggca gtctcaaggc agagatgaca 60
cagcaaaaaa cagaggggga gaaaaaagtc tattattggc ttgtgattta caaaagccaa 120
agtcctttag ataaaaggcc aggagtcgta ccaacataga taccaaatcc aggagaacac 180
agaccagcga taagagggac gcttccccat gacccagacc agcctaaagc ccctgtgggg 240
gcagccagtg gggagctgtc agaccttgga catggtggtc tttgagaatg ggtctgccct 300
tctctccctg accagttggg atagacacct gactggaatc cttgacactg gcaggtgttt 360
ctatgaacag agaggactgt gcctgtcttc ctgaatccca a 401

<210> 39
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 39
tctggtangg agcaattcta ttatttggca ttgcatggct gggttgaatt aaaacaggga 60
gtgagaacag gtgagtctag aagtccaact ctgaaaagga ccactgtaca tttgaacaca 120
cggctgtgtt aaagatgctg ctaatgtcag tcactgggtg cactaaagga tctcttattt 180
tatgtaaaac gttgggaatg acaagatana actgatactc tggtaagtta ccctctgaag 240
ctacttcttg tgaaatacta atgacagcat catcctgcca agcgaaagag gcaggcataa 300
gcaaggacaa attaaaaggg ggtaagagcc ttatcatgat gaggagtctt gttttgacat 360
cttgggaaaa gctgtccata gtgtgaagtc gtcaatttct c 401

<210> 40
<211> 401
<212> DNA
<213> Homo sapien

<400> 40
tctggtcacc caactcttgt ggaagagggg aattgagatc gagtactgaa tatctggcag 60
agaggctgga atccttcagc cccagagccc agggaccact ccagtagatg cagagagggg 120

cctgcccagg ggtcagggca gtgggtatca ctggtgacat caagaatatc agggctgggg 180
aggcatcttt gtttcctggt gccctcctca aagttgctga cactttgggg acgggaaggg 240
gtagaagtag ggctgctcct tttggagctg gagggaatag acctggagac agagttgagg 300
cagtcgggct gtccaggttc taagcatcac agcttctgca ctgggctctg aggagattct 360
cagccagagg atcccagcct cctcctccct caaatgtcaa g 401

<210> 41
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 41
ctggactaaa aatgtccact atggggtgca ctctacagtt tttgaaatgc taggaggcag 60
aaggggcaga gagtaaaaaa catgacctgg tagaaggaag agaggcaaag gaaactaggt 120
ggggaggatc aattagagag gaggcacctg ggatccacct tcttccttan gtcccctcct 180
ccatcagcaa aggagcactt ctctaatcat gccctcccga agactggctg ggagaaggtt 240
taaaaacaaa aaatccagga gtaagagcct taggtcagtt tgaaattgga gacaaactgt 300
ctggcaaagg gtgcganagg gagcttgtgc tcangagtcc agcccgtcca gcctcggggt 360
gtangtttct gaagtgtgcc attggggcct caccttctct g 401

<210> 42
<211> 310
<212> DNA
<213> Homo sapien

<400> 42
ggttcgacaa atccccaaaa atggcaaatt aagccctgtg acaaaataag ttattggatc 60
atacagaaat agcccaaatc tggaaatttt gaattaaaat tgtaatcctg taaaacaagt 120
tttggggtga atggatttct ttaataccaa taatattttt aattcccacc acagatggat 180
ttgctgaata tgctaatgct gtgaatgaga aaacaatttt ggggtaggta tacccacaag 240
taatctgatg acaaaataaa ccacagactg atgtcaaatg gacaaaaaac tgaaaatatg 300
ctgtgagaaa 310

<210> 43
<211> 401
<212> DNA
<213> Homo sapien

<400> 43
aggtcactta cacttgtgac cagtgtgggg cagagaccta ccagccgatc cagtctccca 60
ctttcatgcc tctgatcatg tgcccaagcc aggagtgcca aaccaaccgc tcaggagggc 120
ggctgtatct gcagacacgg ggctccagat tcatcaaatt ccaggagatg aagatgcaag 180
aacatagtga tcaggtgcct gtgggaaata tccctcgtag tatcacggtg ctggtagaag 240
gagagaacac aaggattgcc cagcctggag accacgtcag cgtcactggt attttcttgc 300
caatcctgcg cactgggttc cgacaggtgg tacagggttt actctcagaa acctacctgg 360
aagcccatcg gattgtgaag atgaacaaga gtgaggatga t 401

<210> 44
<211> 401
<212> DNA

<213> Homo sapien

<400> 44
atccctgtaa gtctattaaa tgtaaataat acatacttta caacttctct tagtcggccc 60
ttggcagatt aaatctttgc aaaattccat atgtgctatt gaaaaatgaa ataaaacctc 120
agatgtctga attcttattt caaatacagt tatataatta ttttaaatta caatatacaa 180
tttctgttaa atacaactgt taagggattc tgagaacaat tataagatta taataatata 240
tacaaactaa cttctgaaat gacatgggtt gtttccttcc caccctccta ccctctcaaa 300
gagtttttgc atttgctgtt cctggttgca aaaggcaaaa gaaaatctaa aaatagtctg 360
tgtgtgtcca cgacatgctc gctcctttga gaatctcaaa c 401

<210> 45
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 45
gtgcctgctg cctggcagcc tggccctgcc gctgcctcag gaggcgggag gcatgagtga 60
gctacagtgg gaacaggctc aggactatct caagagattt tatctctatg actcagaaac 120
aaaaaatgcc aacagtttag aagccaaact caaggagatg caaaaaattc tttggcctac 180
ctatactgga atggtaaact cccgcgtcat anaaataatg caanaagccc agatgtggag 240
tgccagatgt tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg 300
tcacctacag gatcgtatca tatactcgag acttaccgca tattacagtg gatcgattag 360
tgtcaaaggc tttaaacatg tggggcaaag agatccccct g 401

<210> 46
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 46
gtcagaattg tctttctgaa aggaagcact cggaatcctt ccgaactttc caagtccatc 60
catgattcan agatactgcc ttctctctct ctgggatttt atgtgtttct gatagtgaat 120
tgttgatgta tttgctactt tgcttctttt ctctttcaag acttgatcat tttatatgct 180
gnttggagaa aaaaagaact tttggtagca aggaggtttc aagaaatgat tttggatttt 240
ctgctgcgga atttctcggc acctacctgt agtatggggc acttggtttg gttgcagagt 300
aagaaggtgg aagaatgagc tgtacttggt taagcagttg aaacctttt tgagcaggat 360
ctgtaaaagc ataattgaat ttgtttcacc cccgtggatt c 401

<210> 47
<211> 401
<212> DNA
<213> Homo sapien

<400> 47

ggtctgcagc aatgcacttc aaccatacat actgcttcca ctagctaata ccaaatgcag 60
gttctcagat ccagacaaat ggaggaaaag aacatttatg cttccgtttc agaaagccaa 120
gtcgtagttt tggcccttcc tttctctaaa gtttattccc aaaaacaggt agcattcctg 180
attgggcaga gaagaggata ttttcagccc acatctgctg caggtatgtc attttctccc 240
atcttcactg tgactagtaa agatctcacc acttctcttt ggaatttcca actttgcttg 300
tgattgaatg tcacttcgtg aatttgtatt atgtcagatc acttggcatt gctcttccat 360
atgcatcaag ttgccaggca ctaaacccaa tgttcatgaa c 401

<210> 48
<211> 430
<212> DNA
<213> Homo sapien

<400> 48
acataacttg taaacttttt ctgcttgggg gctgtaacag acagaagagt aaagactaca 60
aggattttct gaagatgctt caatgaaaat catcatttcc tctttagtca tcccaagtct 120
tggtttgaaa aacttgggca tggacttata cagaccttga accaccactg acttatcatt 180
gggtggcaga ccttgaaacc aagctctctg tgttacttct gaaagtgcat caattctgat 240
ttggctaaga acagaagaca aatactggga tcgtgattct gtgttatact ctagccacag 300
catagcagct tctcgaacgg tttcttcctt ttctacattt aaattgtcac tactgagaat 360
atctatcagt aggtcatgtg acagacctgc cccggggccg gcccgctcga tgcttgccga 420
atatcatggt 430

<210> 49
<211> 57
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(57)
<223> n = A,T,C or G

<400> 49
ggtattaaca atatcangca ctcattcttc ccctcttatg aaanggatna atttta 57

<210> 50
<211> 327
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 50
gatggnggtn tccacaagan tnaangtncn tattaantan nncttgtaga nccacttnna 60
ttaattgnnn tatgnntgnc cttctggtgg ntgtngaagc ttcatatnnt ntttggacat 120
cattacacgt cttagctctt tnaagnacaa ctttaatgct atatgaattt tgccattttn 180
gctaacactg gtatgctccn ngcatccacc atnccacntg gaattattta ttncnttcat 240
attaatnttt tgtttaccaa atctnacttg acccgaacga aactttctgn gtattttang 300
gccccnccat tcttactttt caagcct 327

<210> 51

<211> 236
<212> DNA
<213> Homo sapien

<400> 51
cgtctcgaag aagcgctgca ggccgatgat ggactgcacg tctgccttgt cctcagttaa 60
cttgttgaat tgcttgaaca tgcggcccac atcctgggca aactcctgtg gggagctgta 120
gggaggtgac aacttctcct ggaggcgggc acggatcagg gtcagatcca gggtgccacc 180
gggctggtcc agggagaagg tggagtcgta gccagacctg cccgggcggc cgctcg 236

<210> 52
<211> 291
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 52
ctcacatcct gggtccggct gtagagctgc accatggtgc tgagcgcccc ctccagctcc 60
ttgtagatgt aaaggacggc gaaggagctg tagtctgtgt ccacgatgcg cacgtccagg 120
tagcccaagg ccgggactct gaagttgtcc ctcggagccc accttcangt actcgggcat 180
ccacctggtt acagccnttc gnectcggna actccatntg gactttacag gccgccctcc 240
tctgtgggcc tgatggncct tgcaggacat nggaacacgg gagctcnctt t 291

<210> 53
<211> 95
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(95)
<223> n = A,T,C or G

<400> 53
gtctgtgcag tttctgacac ttgttgttga acatggntaa atacaatggg tatcgctgan 60
cactaagttg tanaanttaa caaatgtgct gnttg 95

<210> 54
<211> 66
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(66)
<223> n = A,T,C or G

<400> 54
cctnaatnat ntnaatggta tcaatnnccc tgaangangg gancggngga agccggnttt 60
gtccgg 66

<210> 55
<211> 265
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 55
atctttcttc tcagtgcctt ggccntgttg agtctatctg gtaacactgg agctgactcc 60
ctgggaagag aggccaaatg ttacaatgaa cttaatggat gcaccaagat atatgaccct 120
gtctgtggga ctgatggaaa tacttatccc aatgaatgcc gtgttatgtt tttgaaaatc 180
ggaaacgcca gacttctatc ctcattcaaa aatctgggcc ttnctgaaaa ccagggtttt 240
naaaatccca ttcnggtcnc cggcg 265

<210> 56
<211> 420
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 56
gagcggccgc ccgggcaggt cctcgcggtg acctgatggg atttcaaaac cttggttctc 60
agcaaggccc agatttttga atgangatag aagtctggcg tttccgattt tcaaaacata 120
acacgcattc attgggataa gtatttccat cagtcccaca gacngggtca tatatcttgg 180
gtgcatccat taagttcntt tgttaacatt tgggcctctc tttcccangg gaattcagct 240
cccagttgtt taccaanatt naactccacc ggggccaaag gcncttgaaa aaaaaaanaa 300
ttccttgttt accttccttg ggcttnaagt tctggcgtcc aaaagttcaa tttgaaaact 360
gcaccgcact taccacgtct cttcnagaan cctggggaca cctcggccgc gaccacgcta 420

<210> 57
<211> 170
<212> DNA
<213> Homo sapien

<400> 57
gaagcggagt tgcagcgcct ggtggccgcc gagcagcaga aggcgcagtt tactgcacag 60
gtgcatcact tcatggagtt atgttgggat aaatgtgtgg agaagccagg gaatcgccta 120
gactctcgca ctgaaaattg tctctccaga cctcggccgc gaccacgcta 170

<210> 58
<211> 193
<212> DNA
<213> Homo sapien

<400> 58
attttcagtg cgagagtcta ggcgattccc tggcttctcc acacatttat cccaacataa 60
ctccatgaag tgatgcacct gtgcagtaaa ctgcgccttc tgctgctcgg cggccaccag 120
gcgctgcaac tccgcttcat cggcttcgcc cagctccgcc attgttcgcc acctgcccgg 180

gcggccgctc gaa 193

<210> 59
<211> 229
<212> DNA
<213> Homo sapien

<400> 59
cgcaactctc gagcatttat atacaatagc aaatcatcca gtgtgttgta cagtctataa 60
tactccaaca gtctcccatc tgtattcaat ggcgccaccc aatacagtcc tttgtttgga 120
tgctggggag agtaatccct accccaagca ccatatagat aagaaaaccc tctccagttg 180
agctgaacca cagacggttt gctgatacct gcccgggcgg ccgctcgaa 229

<210> 60
<211> 340
<212> DNA
<213> Homo sapien

<400> 60
tcgagcggcc gcccgggcag gtcctctaaa gatcaaaaca cccctgtcgt ccaccctcct 60
cccactccag ggaagctgtg gtcatggtgg tgtggtgaac atcagcaaac cgtctgtggt 120
tcagctcaac tggagagggt tttcttatct atatggtgct tggggtaggg attactctcc 180
ccagcatcca aacaaaggac tgtattgggt ggcgccattg aatacagatg ggaaactgtt 240
ggagtattat aaactggtac aacacactgg atgatttgct attgtatata aatgctcgag 300
aattgcggat cacctatgga cctcggccgc gaccacgctg 340

<210> 61
<211> 179
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

<400> 61
tttttgtgac ggacgnttgg agtacatgtc ccaggatcac atccagcagc tagagtggct 60
gggacaagct ggcggnggcc aagcactgtt gaaacnatag gggtctgggn gnactcgggt 120
tnaagtggtt ggtccgantn ttnataacct tgtcngaacc nancatctcg gttgncang 179

<210> 62
<211> 78
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(78)
<223> n = A,T,C or G

<400> 62
agggcgttcg taacgggaat gccgaagcgt gggaaaaagg gagcggtggc nggaagacgg 60
ggatgagctt angacaga 78

<210> 63
<211> 410
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 63
cccagttact tggggaggct gaggcaggga gaatcctttg aacccggngg gtgggaggtt 60
gcagtgagcc cgagatagca ccattgcact tccancatgg ggtggacaga gtgagactct 120
atctcaaaaa aaaagaaaag aaaaggaaag agattagatt aagattaagt acctacttcc 180
tntcccattt caagtcctga aaatagagga tcagaaatgt tgaggaattc tttaggatag 240
aaagggagat gggattttac ttatggggaa agaccgcaaa taaagactgn aacttaacca 300
cattccccaa gtgnaaggtg ttacccaaga agtaggaacc cttttggctn ttaccttacc 360
ttccngaaaa aaacttattn cttaaaatgg aaacccttaa agcccgggca 410

<210> 64
<211> 199
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

<400> 64
cttgttctca aaaaggtcaa agggagcccg acgaggaata aatagcaatg ccctgaattc 60
caactgacct tctacagaaa agtgcttgac tgccaagtgg tcttcccagt cattagtgag 120
gctcttgtag aattctccat actcctcttg ggngangnca tnagggtttn nggcccaaat 180
aggntgggcc tngttaagt 199

<210> 65
<211> 125
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(125)
<223> n = A,T,C or G

<400> 65
agcggtacag ttctgtcctg gcatcatcat tcattgtagt atggtcaata ggtgccatga 60
aactcagtag cttgctaagg acatgaaacc gaagtttcct gcctttgctg gcctngtngn 120
gggta 125

<210> 66
<211> 204
<212> DNA
<213> Homo sapien

<400> 66
attcagaatt ctggcatcgg tatttctata aagtccatca gttagagcag gagcaggccc 60
ggagggacgc cctgaagcag cgggcggaac agagcatctc tgaagagccc ggctgggagg 120
aggaggaaga ggagctcatg ggcatttcac ccatatctcc aaaagaggca aaggttcctg 180
tggacctcgg ccgcgaccac gcta 204

<210> 67
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 67
tcagggcctc caggcagcca gttttgcagg anattcagca cctagngtct tcctgcctna 60
cgctcccaag aacctgctcc tgcaggggga acatcagaac tcgtccttga tgtcaaaatg 120
gggctggtct tnaggcttga agtccaggtt agggctgcca tcctcattga gaattctccg 180
ggcagtgtan ccgacgatgg ggtatttggc tttgtacact ttggtgaaaa cctnatccag 240
ggcctccagt tccttggccg tganacccgt antgtcatgg gtgaggtctg caggatccaa 300
ggacatcttg gctacccctc tagtggagtc cttccccgtc aaggcattgt aaggggctcc 360
tcgtccataa aactcctttt cgg 383

<210> 68
<211> 99
<212> DNA
<213> Homo sapien

<400> 68
tcacatctcc ttttttttt aacttttca aatttttgtg ttaaatagaa ggctaaaggg 60
ttagatttaa gtttctgcta cattgaccct atttaccta 99

<210> 69
<211> 37
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(37)
<223> n = A,T,C or G

<400> 69
gagaaggacn tacggnctg ntantanang aatctcc 37

<210> 70
<211> 222
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(222)

<223> n = A,T,C or G

<400> 70
gtgggtcatt tttgctgtca ccagcaacgt tgccacgacg aacatccttg acagacacat 60
tcttgacatt gaagcccaca ttgtccccag gaagagcttc actcaaagct tcatggcgca 120
tttcgacaga ttttacttcc gttgtaacgt tgactggagc aaaggtgacc accataccgg 180
gtttgagaac acccantcac ctgccccggg cggccgctcg aa 222

<210> 71
<211> 428
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(428)
<223> n = A,T,C or G

<400> 71
caggagtatt ttgtagaaaa gccagaagag cattagtaga tgtatggaaa tatacggtag 60
ggcacacgct gacagtactt ttcccaagcc acgccgtatt tcttcttaca gtggtactcg 120
tcacgagctt ctcggtggac aagcaacatg gtgaaataaa ttatgtagaa ataaggcaga 180
atgtggttaa aaccacatgg gagggaccac gccaaggcca tgatgagatc acccaagtaa 240
ttggggtggc gaacaaagcc ccaccatcca gaaactagaa naatttttcc cgttgaaata 300
tgaatggntt ttaaatgtgc aagctttgga tcactgggaa ttttcccgaa tgccttttc 360
tganaattgc accttnggaa gantccttac cccaagnttc agaccattat ttnaaaagcn 420
ttggaact 428

<210> 72
<211> 264
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 72
gaataaagag cttactggaa tccagcaggg ttttctgccc aaggatttgc aagctgaagc 60
tctctgcaaa cttgatagga gagtaaaaag ccacaataga gcagtttatg aagatcttgg 120
aggagattga cacacttgat cctgccagaa aatttcaaag acagtagatt gaaaaggaaa 180
ggctttggta aaaaaaggtt caggcattcc tagccgantg tgacacagtg gagcanaaca 240
tctgcangag actgancggc tgca 264

<210> 73
<211> 442
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 73
ggcgaatccg gcgggtatca gagccatcag aaccgccacc atgacggtgg gcaagagcag 60
caagatgctg cagcatattg attacaggat gaggtgcatc ctgcaggacg gccggatctt 120
cattggcacc ttcaaggctt ttgacaagca catgaatttg atcctctgtg actgtgatga 180
gttcagaaag atcaagccaa agaacttcaa acaagcagaa agggaagaga agcgagtcct 240
cggtctggng ctgctgccaa gggagaatct ggtctcaatg acngtagaag gaccttcttc 300
caaagatact ggnattgctc gagttccact tgctggaact tcccggggcc caaggatcgc 360
aaggcttctg gcaaaagaaa tccanacttn ggccgggacc acctaancca attcacacac 420
tggcggccgt actagtggat cc 442

<210> 74
<211> 337
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 74
ggtagcagcg tctccagagc ctgatctggg gtcccagata cccaggcagc agcagccctg 60
gaggtaaagg gcaagctccc caatgtgagg ggagacccca ttcctggtca gccaggcttt 120
cagaggagat agcaggtcga gggagccaac gaagaagaga ctgccancag gggaaggact 180
gtcccgccaa ggacagaact gattcagggg ggtcaatgct cctctagaga agagccacac 240
agaactgggg ggtccaggaa ccatgaanct tggctgtggt ctaaggagcc aggaatctgg 300
acagtgttct gggtcatacc aggattctgg aattgta 337

<210> 75
<211> 588
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(588)
<223> n = A,T,C or G

<400> 75
catgatgagt tctgagctac ggaggaaccc tcatttcctc aaaagtaatt tatttttaca 60
gcttctggtt tcacatgaaa ttgtttgcgc tactgagact gttactacaa actttttaag 120
acatgaaaag gcgtaatgaa aaccatcccg tccccattcc tcctcctctc tgagggactg 180
gagggaagcc gtgcttctga ggaacaactc taattagtac acttgtgttt gtagatttac 240
actttgtatt atgtattaac atggcgtgtt tatttttgta tttttctctg gttgggagta 300
tgatatgaag gatcaagatc ctcaactcac acatgtagac aaacattagc tctttactct 360
ttctcaaccc cttttatgat tttaataatt ctcacttaac taatttttgta agcctgagat 420
caataagaaa tgttcaggag agangaaaga aaaaaaatat atgttcccca tttatattta 480
gagagagacc cttantcttg cctgcaaaaa gtccaccttt catagtagta ngggccacat 540
attacattca gttgctatag gncagcactg aactgcatta cctgggca 588

<210> 76
<211> 196
<212> DNA
<213> Homo sapien

<400> 76
gcggtatcac agcctggccc ccatgtacta tcgggggggcc caggctgcca tcgtggtcta 60
tgacatcacc aacacagata catttgcacg ggccaagaac tgggtgaagg agctacagag 120
gcaggccagc cccaacatcg tcattgcact cgcgggtaac aaggcagacc tggacctgcc 180
cgggcggccg ctcgaa 196

<210> 77
<211> 458
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 77
agtagagatg gggtttcact gtgttaacca ggatggtctt gatctcctgg cctcgtgatc 60
tgcccgcctc ggcctcccaa agtgttggga ttacaggcgt gaaccaccgc acccggccag 120
aaatgttagt ttttccctat tctctctcct ttttcctatt atatacttgg tcaaccagac 180
agccatccta ccccanaatg gtaatgcctc ttcattcctc atatgaggga ataaaagaga 240
aaaaagcttt tggaaaacat ccacttatct aatcatccca aatatgtaat caaaagtata 300
caactcatgt gaagaataca ctggtaaaat gttantatag gccaaggtat cttgaattcc 360
tatatagaaa gctggtaaat gccctttggg ctggaaccgc catcttccnn taattcnccc 420
aaaatgacca aacacaaagg gnaagangan aagccccc 458

<210> 78
<211> 464
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

<400> 78
tccgcaaatt tcctgccggc aaggtcccag catttgaggg tgatgatgga ttctgtgtgt 60
ttgagagcaa cgccattgcc tactatgtga gcaatgagga gctgcgggga agtactccag 120
aggcagcagc ccaggtggtg cagtgggtga gctttgctga ttccgatata gtgcccccag 180
ccagtacctg ggtgttcccc accttgggca tcatgcacca caacaaacag gccactgaga 240
atgcaaagga ggaagtgagg cgaattctgg ggctgctgga tgcttacttg aagacgagga 300
cttttctggt gggcgaacga gtgacattgg ctgacatcac agttgtctgc accctgttgt 360
ggctctataa gcaggntcta gaaccttctt ttcgcangac cttcggccgg accacgctta 420
acccaaattc cacacacttg cnggccgtac taanggaatc ccac 464

<210> 79
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 79
ctgtatgacc agtttttcca tctccttcac ttctaccttg atcagctcga agtccagttc 60
agtgtaagaa atggtatcct tctccatgat gtcaattcgg acagttaggt ttaacagttt 120
cttttcatac acactaatta attggacata ttccctcact ttanaaagtt ctttctcaaa 180
cttctganaa aagaacatga actgtgaatt ccaagcgttc ccactctgtc cacgggaaaa 240
ggtggtgtct ggcagggaaa cagaacactg gcaggtccac ggtcatccac ggagccggtg 300
aaattgggaa aacaactggg acacagaacc tccgctgcct aagctgcggn tgggagcttg 360
gaacccgacc tggaactgga 380

<210> 80
<211> 360
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 80
tcgagcggcc gcccgggcag gtcctcagag agctgtttgt tncgcttctt caaaaactcc 60
tattctccac ttctgctaaa ggactggatg acatcaattg tgatagcaat atttgtgggt 120
gttctgtcan ncancatcgc actcctgaac aaagtagatg ttggattgga tcagtctctt 180
tccacccaga tgactcctan atggtggatn atttcaaatc catcantcag tacctgcatg 240
cgnggtccgc ctgtgtnctt tgtcctgcag gangggcnct actacacttc ttccnagggg 300
canaacatgg tgtgcngcgg ccatgggctg gcaacantga ttcnctgctg cacccanatn 360

<210> 81
<211> 440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 81
acgtggtccg gcgagtctga cctgcagata tgaactcctt gggaaaccta cattctgcct 60
cagacatact gggggcaaat ggctttaaaa gtctggctca gggagccaag attacagaaa 120
nccgttgagt cnccatacat ggacactgac aaaggaactg aagatatcca aacaagccct 180
cctggtcccg ngcctgcata aagatcggga ncggaacggt accngacgtc tgtggtcagg 240
ggttgtggaa aattggaaaa aaccagtcct gcccacattg acagggaagc ctcaacggaa 300
attgaacaga tngtcttatc accagtctcc cctcctggat cntgtctcgg ctcnggggan 360
tcagtgatca gtcctttcag gtggaagaag caaagaagat caacaanaag cngatcctct 420
cacctgntac cagcatatgg 440

<210> 82
<211> 264
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(264)
<223> n = A,T,C or G

<400> 82
agcgtggtcg cggccgangt cctgacattc ctgccttctt atattaatta tacnaataaa 60
acaaaatagt gttgaagtgt tggagcggcg aaaatttttg gggggtggta tggacagaga 120
atgggcgatn ttctcanggc tgcttcaagt gggattgggg cngcgtggga tcatncagtg 180
gganagattn cnctgaccgg antctnttgg tanggatnat cttgtgggga tgtgcaagag 240
ncattcgtct cctgaatgan tggt 264

<210> 83
<211> 410
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 83
ancgtggtcg cggccgangt ccacagttgt gggagagcca gccattgtgg gggcagctcc 60
acaggtaaga ctcgtgtcct gagcagcgca catcatccag gacaatgggt cctgagccct 120
gaccaaaccg ggcatttcct ggggctgaca tggcccagcc acagcccant tgcctgcaga 180
cgaaattggc atcattggtg tcccagtant catcacacac ggtgccccag gaacctccgg 240
tatangaact ccactcggcc tcnanacctg tcgcctccat tccncagcct caggggggcaa 300
actgggattc agatccttct gtgggtacag gtggtgatat cctgacaggc caactttctg 360
gcctgagtgt tgactgangc tgggcagacc tgcccgggcg gccgctcgaa 410

<210> 84
<211> 320
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

<400> 84
tcgaacggcc gcccgggcag gtctgcccca ggtgtatcca tttgccgccg atctctatca 60
naaggagctg gctaccctgc nncgacgaan tcctgaanat aatctcaccc ncccagatct 120
ctctgtcgca atggagatgt cgtcatcggt ggncctgatc acagggcatt ggactcagag 180
anangtnanc acagtgtnga agcgattgan nnagttcagt tgctggtctt acccgatntt 240
ggaaggaagg aaaacgtgtt angacgtatc tcgatgnant tgaccaaanc tgaangctnc 300
agggggcatc gcaaaganan 320

<210> 85
<211> 218
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(218)

<223> n = A,T,C or G

<400> 85
tcgagcggcc gcccgggcag gtctgctgcc cgtgctggtg ccattgcccc atgtgaagtc 60
actgtgccag cccagaacac tggtctcggg cccgagaaga ctcctttctc caggctntan 120
gtatcaccac taaaatctcc aggggcacca tnganatcct gggtgtccgc aatgttgcca 180
atgtctgtcc gcnnattggc tacccaactg ttgcatca 218

<210> 86
<211> 283
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 86
tcgacttctt gtgaaggttt tgganaaata tgtatcagtt cgttttattt gggtattcaa 60
taatatcctt ggtgataatg ctgactccat ggcttctgac cccaaaaatt gaccctgctg 120
ccactggttg tagccctgag attgattttt gtagccacga ttgtttcctc gtcctctgaa 180
gtnctggttg tanttccctc tgtngggcat tcccctctgt tgtanttccc tctgtttgan 240
taactaccac ggccaggaaa aacaggggca cgaaggtatg gat 283

<210> 87
<211> 179
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

<400> 87
agcgtggtcc cggccgatgt ctttctgtgt aagtgcataa cactccacat acttgacatc 60
cttcangtca cgggccagct nttcagcant ctctggagtg ataggctact gtntgttctn 120
ggcaagtgtc tcaanaatac aggggtcntc tctgagatga ntttcagtcc cgaaccctc 179

<210> 88
<211> 512
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 88
tcgagcggcc gcccgggcag gtcctancan agaatcacca aatttatgga gagttaacag 60
gggtttaaca ggaangaagt gcctttagta agttctcaag ccagangctg gaggcagcag 120
ctaaatcaga ggacaggatc ctcagtgaaa gtgagccatt cggggtggca tgtcactcca 180
ggaataagca caacttanaa acaaatgatt tcgtangata gcacagtgac attggtgcac 240

ttgtgaacct gaggccactg tgtcaaactg tgcactggtt gtgaataggg aganccaaaa 300
attatgtcct actgggtaat gagctttcaa tgggctcgat cctctcacnc tgaaagctct 360
gtagagcagc tcagaaccac aaccactccc aacattgacc cttctggggg tactgtctgt 420
ggcacccaca ggaaggagct ggagatcccc attaggactg tccacccaca cttgaagcca 480
caaaactgca cctcggccgc gaccaccgct ta 512

<210> 89
<211> 358
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 89
tcgagcgggc cgcccgggca ggtctgccag tccccatccc agacattctt tgcatctaag 60
ctgangtctg aactgagtgg ggtgggctgg tgtttccatc ctcacaactc cagtgagccg 120
ggtgtggccg tggcctgcgt ctctctggcg gttagtgatg ttggcatcat ccacctttt 180
caaaacaaaa gcactggact gaagaanaat cccncccctgt ntccacccag tccatggttt 240
ttaataaaag ggttatnnaa gttgancaag ncatcaccac acacaancct aagaacnttt 300
ttcatcnntc cccaaaacaa acccncaccc tgggaactcc gggcgcgaac cacgccta 358

<210> 90
<211> 250
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 90
cgagcggccg cccgggcagg tctggatggg gagacggact ggaactgcgg cttcccgtgg 60
cctgcacgca caaggctccc cacggccgcc gaccttcttc agattcgatc gtatgtgtac 120
gcacnaagag ccaaatattg acattcacaa cttcgtggga atnttacccc anaagactgc 180
gacccccga tcaggcgana gcctgagcat agaagaacac cgctgtgggc ttggcactgt 240
gggncccatc 250

<210> 91
<211> 133
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 91
tcgagcggcc gnccgggcag gtcccgggtg gttgtttgcc gaaatgggca agttcntnaa 60
ncctgggaag gtggtgcntg tnctggctgg acgctactcc ggacgcnaag ctgtcntcgt 120
gangancatt gat 133

<210> 92
<211> 232
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 92
agcgtggtcg cggccgangt ctgtcacttt gcgggggtag cggtcaattc cagccaccag 60
agcatggctg taggggcgat ctgaggtgcc atcatcaatg ttcttcacga tgacaagctt 120
tgcgtccgga gtagcgtcca gccaggacaa gcaccacctt cccacgtntt cangaactng 180
cccatttcgg cataaccacc cgggacctgc ccgggcggnc gctcgaaaag cc 232

<210> 93
<211> 480
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 93
agcgtgggtc gcggccgang tctgtangct caccggccag agaagaccac tgtgagcatt 60
ttgccgtata tcctgccctg ccatttgttc acttttaaa ctaaaatagg aacatccgac 120
acacaccgtt tgcatcgtct tctcccttga tattttaagc attttcccat gtcgtgagtt 180
tctcagaaac atgtttttaa caattgtact atttagtcat ngtccattta ctataattta 240
tctgaccatt tccctactgt taaaatactt aagacggttt ctgatttttc cactatttaa 300
ataatgctgt gatgaatatc tttaaaatct tctgatttct tacttttttc ccccttagat 360
gcctggaagt ggtattttga ggtgaaagag tttgttcatt ttgaanatat ttctgtctct 420
ctctcgacct gatgtgtana cgctcacttc cagttagcag aaccacctta gtttgtgtct 480

<210> 94
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 94
tcgagcggnc gcccgggcag ggtctgatgt cantcacaac ttgaagggat gccaatgatg 60
taccaatccn atgtgaaatc tctcctctta tctcctatgc tgganaaggg attacaaagt 120
tatgtggcng ataannaatt ccatgcacct ctantcatcg atgagaatgg agttcatgan 180
ctggtgaacn atggtatctg aacccgatac cangttttgt ttgccacgat angantagct 240
tttatttttg atagaccaac tgtgaaccta ccacacgtct tggacnactg anntctaact 300
atccncaggg ttttatttttg cttgttgaac tcttncagct nttgcaaact tcccaagatc 360
canatgactg antttcagat agcattttta tgattcccan ctcattgaag gtcttatnta 420

tntcnttttt tccaagccaa ggagaccatt ggacctcggc cgcgaccacc tn 472

<210> 95
<211> 309
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

<400> 95
tcgagcggcc gcccgggcag agtgtcgagc cagcgtcgcc gcgatggtgt tgttggagag 60
cgagcagttc ctgacggaac tgaccagact tttccanaag tgccggacgt cgggcancgt 120
ctatatcacc ttgaagaant atgacggtcg aaccaaaccc attccaaaga aangtactgt 180
gganggcttt gancccgcag acaacnagtg tctgttaaga actaccgatn ggaaanaana 240
anatcagcac tgtgggtgag ctccnaggga agttaataan tttcggatgg gcttattcna 300
acctcctta 309

<210> 96
<211> 371
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 96
tcgagcggcc gcccgggcag gtccaccact cacctactcc ccgtctctat agatttgcct 60
gttctgggca gttctcagca atggaatcct actgtgtatc tttttgtgac tggttcttta 120
actcagcatc acattttcaa ggttcatcca tgctgcagcc tggctccgta ctggtgacag 180
tacttcattt ctctctccct tttgttcaga ccaaggtctc cctctgtccc caaggctaaa 240
gtgcagttgg tgtgatcatg gctcactgca gcctcaaact cctggactca aacagtcctc 300
ccatctcagc ctcccaaagt gctgatntta taagttgcaa gccctgcacc cagcctgtat 360
ctccagtttg t 371

<210> 97
<211> 430
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 97
tcgancggcc gcccgggcag gtttnttttn tttnttttnt nnnngntagt atttaaagan 60
atttattaaa tcatcttatc accaaaatgg aaacatnttc caactagaaa catgcnacca 120
tcatcttccc cagtccagtc ncaangtcca atattttnct tgcctctgca gataaaaagt 180
tcnnattttt atacccactc ttactccccc ccaaaatttt aattcngtcc tnccctaaaa 240
ttncnccggg taacaantta ccaaaatggc naaccaatta ttttaaanaa aagttgcncn 300

ttnaaaangg aaactttntg gcaanttanc ctcttttccc ttcccacccc ccantttaag 360
gggaaaacaa tggcactttg ctcttgcttn aacccaaaat tgtcttccaa aaactattaa 420
aaatgttnaa 430

<210> 98
<211> 307
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 98
tcnaacggcc gcccnggcnn gtctngcngc acctgtgcct canccgtcga tacctggtcg 60
attgggacan ggaanacaat ntggttttca gggaggccac anatttggag aaacggatga 120
attctccttt attccgaant cagctccttg gtctccgtag anggtgatct tgaaattctc 180
ctgttttgaa aactttcttg aanaaacctt acctgctggt tgtatttggt ctcccactcg 240
gacaagtact cgttatccnn ggtactctta atgtgcccac gtnaactccc cgggntggca 300
actggaa 307

<210> 99
<211> 207
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

<400> 99
gtccnggacc gatgttgcna agannttttct tggtccanta ggttcnaaaa aatgataanc 60
naggtntanc acgtgaagat ntntatanag tcttantnaa aacncntaga tctgnatgac 120
gataantcga anacnggggg aggggntgag gngaggtggn gtganggaag anntgttgat 180
aaaagannna gntgataaga anngagc 207

<210> 100
<211> 200
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(200)
<223> n = A,T,C or G

<400> 100
acntnnacta gaantaacag ncnttctang aacactacca tctgtnttca catgaaatgc 60
cacacacata naaactccaa catcaatttc attgcacaga ctgactgtaa ttaattttgt 120
cacaggaatc tatggactga atctaatgcn nccccaaatg ttgttngttt gcaatntcaa 180
acatnnttat tccancagat 200

<210> 101

<211> 51
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(51)
<223> n = A,T,C or G

<400> 101
tcgagcggcc gcccgggcag gtctgaccag tgganaaatg cccagttatt g 51

<210> 102
<211> 385
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

<400> 102
aacgtggtcg cggccgaagt ccatggtgct gggattaatc cactgtgacn gtgactctga 60
gttgagttgt ttttcaatct tctccaagcc tgtggactca tcctccacat ccttgggtag 120
taggatgaac atgctgaaga tgctnatttt gaaaaggaac tctatgaatc ttacaattga 180
atactgtcaa tgtttcccca tnacagaacg tggnccccca aggttccatc atctgcactg 240
ggtttgggtg ttctgtcttg gttgactctt gaaaagggac atttcttttt gttttcttga 300
attcanggaa attttcttca tccactttgc ccacaaaagt taggcagcat ttaaccccca 360
anggattttg ggtctgggtc cttcc 385

<210> 103
<211> 189
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 103
agcgtggtcg cggccgaagt ctgcagcctg ggactgaccg ggaagctctg attatttacc 60
caccacaggt angttgtgtt ctgaatctca agttcacagg ttaaggctac agcatcctca 120
tcctccacgg ggttggantt gttgctggtg atgaanggtt tggggtggct ctgcataact 180
gttgatctc 189

<210> 104
<211> 181
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(181)

<223> n = A,T,C or G

<400> 104
tcgagcggcc gcccgggcag gtccaggtct ccaccaangc accaccgtgg gaagctggta 60
attgatgccc accttgaagc cnntggggca ccatccncca actggatgct gcgcttggtt 120
ttgatggtgg caatggcaca ttgactcttt tgggaaccac ttcaccacgg tacaacaggc 180
a 181

<210> 105
<211> 327
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

<400> 105
tcgagcggcc gcccgggcag gtcttctgtg gagtctgcgt gggcatcgtg ggcagtgggg 60
ctgccctggc cgatgctcan aaccccagcc tctttgtaaa gattctcatc gtgganatct 120
ttggcagcgc cattggcctc tttggggtca tcgtcgcaat tcttcanacc tccanaatga 180
anatgggtga ctanataata tgtgtgggtn gggccgtgcc tcacttttat ttattgctgg 240
ttttcctggg acagaactcg ggcgcgaaca cgcttanccg aattccaaca cactggcggg 300
cgttactagt ggatccgagc tcggtac 327

<210> 106
<211> 268
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 106
agcgtggtcg cggccgangt ctggcgtgtg ccacatcggt cccacctcgc tttacaaaac 60
agtcctgaac ttnatctaat aaaattattg tacacnacat ttacattaga aaaaganagc 120
tgggtgtang aaaccgggcc tggtgttccc tttaagcgaa ngtggctcca cagttggggc 180
atcgtcgctt cctcnaagca aaaacgccaa tgaaccccna agggggaaaa aggaatgaag 240
gaactgnccn gggangnccg ctccgaaa 268

<210> 107
<211> 353
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

<400> 107
tcgagcggcc gcccgggcag gtggccaggc catgttatgg gatctcaacg aaggcaaaca 60

cctttacacn ctagatggtg gggacatcat caacgccctg tgcttcagcc ctaaccgcta 120
ctggctgtgt gctgccgcag gccccagcat caagatctgg gatttanagg gaaagatcnt 180
tgtnnatgaa ctgaancnta aattatcagt tccannacca ngcaaaaacc acccngtgca 240
ctccctggcc tggtctgctg atgggacctc gggcgcgaac acgctnancc caattccanc 300
acactgggcg gncgttacta ntggatccga actcnggtac caancttggc gtt 353

<210> 108
<211> 360
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G

<400> 108
agcgtggtcg cggccgaagt cctggcctca catgaccctg ctccagcaac ttgaacagga 60
naagcagcag ctacatcctt aaggtccgga aagttagatg aagatttgga tcctgcattg 120
ncctgcctcc cacctatctc tcccnaatta taaacagcct ccttgggaag cagcagaatt 180
taaaaactct cccnctgccc tnttgaacta cacaccnacc gggaaaacct ttttcanaat 240
ggcacaaaaa tncnagggaa tgcatttcca tgaangaana aactgggtta cccaaaatta 300
ttgggttggg gaaatccngg gggggttttn aaaaaagggc aanccnccaa anaaaaaaac 360

<210> 109
<211> 101
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(101)
<223> n = A,T,C or G

<400> 109
atcgtggtcn cggccgaagt cctgtgtcct ggatgggccg tgtgcancga atccgttggc 60
gactcctaac taccaanaaa angactctcg gaagaaattt c 101

<210> 110
<211> 300
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 110
ccanggaaac ccagagtcac atgagatagg gtggctttcg ggacaggggg tcagangaat 60
ggtacatgga tctcagcccc tgatggacac ggaacaggtg tggtcagaac tcccangatt 120
ctgcatccan gatccagtct ctatagaagt tatggatcat tccttcattt cattcccccc 180
ttcatgaaaa aacttctgaa caagcctttt ttctcacttt ggggccctgt ttggcncaag 240
gtnttnantt ggggaaaaaa aaacaaatcc nttccnttan ccctccgtgg ggaatgacct 300

<210> 111
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 111
cgagcggccg cccgggcagg tccttgtgtt gccatctgtt ancattgatt tctggaatgg 60
aacanctttc tcaaagtttg gtcttgctan tcatgaagtc atgtcagtgt cttaagtcac 120
tgctgctcac ttccttaccc agggaatata ctgcataagt ttctgaacac ctgttttcan 180
tattcactgt tcctctcctg cccaaaattg gaagggacct catttaaaaa tcaaatttga 240
atcctgaaan aaaaacngga aatntttctc ttggaatttg gaatagaatt attcanttga 300
ataacatgtt ttttcccctt gccttgctct tcncaanaac atctggacct cggccgcgac 360
acctta 366

<210> 112
<211> 405
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 112
ctgactncta aacttctaat tcnatcaana taactactct ccttccgtct tncagagtgt 60
tcacaataaa tctgtgaatc tggcatacac agttgctgga aaattgttct tcctccacna 120
aaaggtcaat tgttcnccnc atgaaanaag ataaattgtt catccatcac tnctgaacca 180
tccaaaacgc cggcggaatt attnccccgt tattatgggg aacggaattt tnaataaatt 240
tgggaangaa tggggctttt attgttttgt tttccccctt tcttggcatt gattgggccg 300
caatgggccc cctcgctcan aannntgcccc ggggccggcc gctccaaaac cgaaattccc 360
anccacactt ggcgggccgt tactanttgg atccgaactc ggtta 405

<210> 113
<211> 401
<212> DNA
<213> Homo sapien

<400> 113
ggatagaaga gtatatgggt ttggcaccac ggggtggata ggcaaaacat ttggttgata 60
aggcgcagat tctgaactaa cttgtaaggc ttgtctggtt ttaggacagg taaaatgggg 120
gaatggtaag gagagtttat aggttttagg agcccatgct gtagcaggca agtgataaca 180
ggctttaatc ctttcaaagc atgctgtggg atgagatatt ggcatttgag cggggtaagg 240
gtgattaggt tttaatgaga tggtaagggg tgcatgatcc ggtccgccaa ggaagggaag 300
tagaggtatc ttatacttgt ggggttaagg tgggggggat ataagaggga ggacgccaaa 360
ggaggctttg gattaggaat aaggggcggc aatgagatgc a 401

<210> 114
<211> 401
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 114
angtccacag gangcangag gccaggctcc gtcccancca gtccatgatg ttgaagagga 60
ggaagcagca catggggttg aagaactgac tccacttccc aggactggtg gagctggtca 120
ccatggctgt ggtggcgggg aagacggaca gggtgacttc tggaagacag tgaagactga 180
aggttttcct ggcttctggg gctcatctgg ctctgattcc ggctccttct ccaggtcaag 240
atccagggtt cagagctact ttcttggggg actactnggg aatcccgttc tcatctgggg 300
gtngaggggg gacggggnaa gggncatgct tgtgacccag gtttcccacc tcggcccgcg 360
accacgctaa ggcccgaatt ncagcacact tggcggcccg t 401

<210> 115
<211> 401
<212> DNA
<213> Homo sapien

<400> 115
atccctgtaa gtctattaaa tgtaaataat acatacttta caacttctct tagtcggccc 60
ttggcagatt aaatctttgc aaaattccat atgtgctatt gaaaaatgaa ataaaacctc 120
agatgtctga attcttattt caaatacagt tatataatta ttttaaatta caatatacaa 180
tttctgttaa atacaactgt taagggattc tgagaacaat tataagatta taataatata 240
tacaaactaa cttctgaaat gacatgggtt gtttccttcc caccctccta ccctctcaaa 300
gagtttttgc atttgctgtt cctggttgca aaaggcaaaa gaaaatctaa aaatagtctg 360
tgtgtgtcca cgacatgctc gctcctttga gaatctcaaa c 401

<210> 116
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 116
ngatttaatt gnnagcttct ttttaatgga atnnttggct aaaatgaatt gatgattatg 60
aatatcccta ggaggagtta gcatggannn tgatcatttt cttngnactc ctttangaca 120
nggaaacagg natcagcatg anggtancan aaaccttatn accnangcgc acganctgac 180
ttcttccaaa gagttgnggt tccgggcagc ggtcattgcc gtgcccattg ctggagggct 240
gattctagtg ntgcttatta tgctggccct gaggatgctt ccaanatgaa aataagangc 300
t 301

<210> 117
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(383)
<223> n = A,T,C or G

<400> 117
aattgcaact ggacttttat tgggcagtta cnacaacnaa tgttttcana aaaatatttg 60
gaaaaaatat accacttcat agctaagtct tacagagaan aggatttgct aataaaactt 120
aagttttgaa aattaagatg cnggtanagc ttctgaacta atgcccacag ctccaaggaa 180
nacatgtcct atttagttat tcaaatacca gttgagggca ttgtgattaa gcaaacaata 240
tatttgttan aactttgntt ttaaattact gntncttgac attacttata aaggagnctc 300
taactttcga tttctaaaac tatgtaatac aaaagtatan ntttccccat tttgataaaa 360
gggccnanga tactgantag gaa 383

<210> 118
<211> 301
<212> DNA
<213> Homo sapien

<400> 118
ctgctagaat cactgccgct gtgctttcgt ggaaatgaca gttccttgtt ttttttgttt 60
ctgtttttgt tttacattag tcattggacc acagccattc aggaactacc ccctgcccca 120
caaagaaatg aacagttgta gggagaccca gcagcacctt tcctccacac accttcattt 180
tgaagttcgg gtttttgtgt taagttaatc tgtacattct gtttgccatt gttacttgta 240
ctatacatct gtatatagtg tacggcaaaa gagtattaat ccactatctc tagtgcttga 300
c 301

<210> 119
<211> 401
<212> DNA
<213> Homo sapien

<400> 119
taaggacatg gacccccggc tgattgcatg gaaaggaggg gcagtgttgg cttgtttgga 60
tacaacacag gaactgtgga tttatcagcg agagtggcag cgctttggtg tccgcatgtt 120
acgagagcgg gctgcgtttg tgtggtgaat ggggaggaaa tgtcactgcc gaagaccaaa 180
aacaagcttc ttggtataaa agactcttac agaatatgtg tattgtaatt tattgatctg 240
gatgcttaag tgtcatggac agtaaatgaa tttgaacttt atgtttgagg acatgacatt 300
gggtttgaaa atataaactg cttttgagca gtttaagtca gggcatttga gaataaaata 360
ggaactttct cttcagtttg taaaactctc ttgccctctc t 401

<210> 120
<211> 301
<212> DNA
<213> Homo sapien

<400> 120
tccagagata ccacagtcaa acctggagcc aaaaaggaca caaaggactc tcgacccaaa 60
ctgccccaga ccctctccag aggttggggt gaccaactca tctggactca gacatatgaa 120
gaagctctat ataaatccaa gacaagcaac aaacccttga tgattattca tcacttgggt 180
gagtgcccac acagtcaagc tttaaagaaa gtgtttgctg aaaataaaga aatccagaaa 240
ttggcagagc agtttgtcct cctcaatctg gtttatgaaa caactgacaa acacctttct 300
c 301